SAFETY DATA SHEET

Laser Ceramic White

Revision date	Version	Market / language
19 October 2026	1.0	GB and Northern Ireland / English

Prepared: 19 October 2026 | Language: English | Intended markets: Great Britain and Northern Ireland

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: Laser Ceramic White. Product type: aqueous coating mixture. UFI: not assigned; not expected to be required on the classification stated in Section 2.

1.2 Relevant identified use: Temporary coating for laser marking/engraving of ceramic surfaces. Professional/industrial application. Uses advised against: uses outside the stated coating application without assessment; food, pharmaceutical and personal-care uses have not been assessed.

1.3 Supplier: Express Global Products Ltd T/A Craftcoat
11 Mortimer Road, Cubley, S36 6DE, United Kingdom
Telephone: +44 7595 220933 (general enquiries, 09:00-17:00 UK time)
Email: info@craftcoat.co.uk
1.4 Emergency telephone number: +44 7595 220933.
Availability: 09:00-17:00 UK time only. No out-of-hours service.
In a medical emergency contact emergency services or a doctor and provide this SDS.

SECTION 2: Hazards identification

2.1 Classification: Not classified as hazardous under GB CLP / EU CLP, based on supplied composition and manufacturer confirmations, on the information and assumptions stated in Section 16. Classification has been calculated; the finished mixture has not been tested.

2.2 Label elements: Hazard pictograms: none. Signal word: none. Classified hazard statements: none.

EUH208: Contains 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one and the reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210: Safety data sheet available on request. Avoid skin/eye contact and release to drains; see Sections 7 and 8.

2.3 Other hazards: Spills can cause slippery surfaces. Mist or dried coating dust may irritate the respiratory tract. Sensitised individuals may react at low preservative concentrations. No identified PBT/vPvB or endocrine-disrupting component at or above 0.1% on available information; trace vPvB siloxanes are present below this level. Pigment supplier indicates possible nanoform; full particle characterisation is unavailable. Avoid inhaling spray mist and dried pigment dust.

SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable. 3.2 Mixtures: water-based coating. Non-hazardous ingredients not requiring disclosure are omitted. This is not a full formulation disclosure.

Substance / identifiers	Finished concentration, % w/w	Ingredient classification / relevant limits
2-methylisothiazol-3(2H)-one (MIT) CAS 2682-20-4; EC 220-239-6	0.0010 to <0.0015	Acute Tox. 3 H301/H311; Acute Tox. 2 H330; Skin Corr. 1B H314; Eye Dam. 1 H318; Skin Sens. 1A H317; Aquatic Acute 1 H400 (M=10); Chronic 1 H410 (M=1); EUH071. H317 SCL: 0.0015%.
1,2-benzisothiazol-3(2H)-one (BIT) CAS 2634-33-5; EC 220-120-9	0.0010 to <0.0116	Acute Tox. 4 H302; Acute Tox. 2 H330; Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1A H317; Aquatic Acute 1 H400 / Chronic 1 H410 (M=1). H317 SCL: 0.036%.
CMIT/MIT reaction mass (3:1) CAS 55965-84-9; Index 613-167-00-5	<0.00045	Acute Tox. 3 H301; Acute Tox. 2 H310/H330; Skin Corr. 1C H314; Eye Dam. 1 H318; Skin Sens. 1A H317; Aquatic Acute 1 H400 / Chronic 1 H410 (M=100). H317 SCL: 0.0015%.
Titanium dioxide CAS 13463-67-7; EC 236-675-5	<21	Not classified in the supplied liquid dispersion. Possible nanoform; size/shape data not supplied.
Methanol (possible binder residual) CAS 67-56-1; EC 200-659-6	<0.20 (reference-grade estimate)	Flam. Liq. 2 H225; Acute Tox. 3 H301/H311/H331; STOT SE 1 H370. Workplace exposure limit. Presence and residual level in production grade to be confirmed.
2,4,7,9-Tetramethyl-4,7-decanediol CAS 17913-76-7; EC 451-160-7	0.05 to <0.10	Eye Irrit. 2 H319; Aquatic Chronic 3 H412.

Concentrations are calculated from raw-material declarations and manufacturer information, not analytical results. For white coatings, the declared additional MIT contribution of less than 5 ppm is taken to include all preservative sources; see Section 16. Ingredient classifications are not the classification of the finished coating. SCL = specific concentration limit; M = aquatic multiplication factor. Full statement text: Section 16.

SECTION 4: First aid measures

4.1 Description: Inhalation: move to fresh air; seek medical advice if symptoms persist. Skin: remove contaminated clothing, wash with soap and water; seek medical advice for rash or irritation. Eyes: rinse cautiously with clean water for at least 15 minutes, removing contact lenses if easy; obtain medical advice if symptoms persist. Ingestion: rinse mouth; do not induce vomiting. Never give anything by mouth to an unconscious person; seek medical advice if unwell.

4.2 Symptoms and effects: Eye discomfort, skin irritation or delayed allergic skin reaction may occur. Mist may cause respiratory discomfort.

4.3 Immediate treatment: Treat symptomatically. Show this SDS to the clinician. No mixture-specific antidote information is available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media: Use water spray, foam, dry powder or carbon dioxide appropriate to the surrounding fire. Avoid high-pressure jets that spread contaminated liquid.

5.2 Special hazards: Water-based product; not expected to sustain combustion as supplied, but not flash-point tested. Dried residue may burn. Fire decomposition can produce carbon oxides, silicon oxides and irritating fumes; nitrogen/sulfur-containing fumes may arise from preservatives.

5.3 Advice for firefighters: Wear suitable protective clothing and self-contained breathing apparatus for smoke exposure. Cool exposed containers with water spray. Contain contaminated firewater.

SECTION 6: Accidental release measures

6.1 Personal precautions: Avoid skin/eye contact and mist inhalation. Ventilate. Restrict access to slippery areas; use protection described in Section 8.

6.2 Environmental precautions: Prevent entry into drains, surface water and soil. Notify relevant authorities if a significant release reaches the environment.

6.3 Containment and cleaning: Stop leakage if safe. Contain and absorb with sand, vermiculite or other inert absorbent. Collect in labelled closed waste containers. Clean remaining residue with water and collect washings; do not flush to drains.

6.4 References: See Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Safe handling: Avoid prolonged skin contact, splashes and aerosol generation. Wash hands after use; do not eat, drink or smoke while handling. Remove contaminated clothing before reuse. Provide local extraction for spraying, heating or laser processing.

7.2 Safe storage: Keep tightly closed in suitable labelled containers in a cool, ventilated place. Protect from freezing, excessive heat and direct sunlight. Keep apart from strong oxidising agents. Shelf life and validated storage temperature range have not been established.

7.3 Specific end use: Use described in Section 1.2. Laser processing: assess the coating/substrate combination; capture fumes at source and do not inhale laser-generated emissions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters: Methanol, CAS 67-56-1: UK EH40 8-hour TWA 200 ppm (266 mg/m3); 15-minute STEL 250 ppm (333 mg/m3); skin notation. Apply the relevant GB/NI occupational limits and assess aerosols/dried dust for the process. Mixture DNEL/PNEC values are not established.

8.2 Exposure controls: Provide general ventilation; use local extraction for aerosol, dust and process fumes. Eye protection: splash goggles conforming to EN 166 or equivalent. Hands: suitable chemical-resistant gloves to EN ISO 374, selected with the glove supplier; no mixture-specific breakthrough data are available. Wear protective work clothing. Respiratory protection is not normally needed for adequately ventilated, non-spray use; assess suitable RPE for spraying, dry sanding or laser emissions. Provide eyewash access. Prevent environmental release.

SECTION 9: Physical and chemical properties

9.1 Basic properties: Values below refer to the finished coating. Raw-material pH/density values have not been substituted for finished-product measurements.

Property	Information
Physical state / colour	Liquid. White liquid.
Odour	No significant odour (manufacturer description).
Melting/freezing point; boiling point/range	Not determined for mixture.
Flammability; flash point	Not determined. Water-based; not expected to be readily flammable as supplied.
Lower/upper explosion limits; auto-ignition temperature	Not determined; no explosive behaviour expected in normal liquid use.
Decomposition temperature	Not determined.
pH	Not determined; measurement pending.
Kinematic viscosity	Not determined.
Solubility	Water-based; finished-product solubility/dispersibility not measured.
Partition coefficient n-octanol/water	Not determined; mixture.
Vapour pressure; relative vapour density	Not determined.
Density / relative density	Not determined; measurement pending.
Particle characteristics	Not applicable to the liquid bulk. Dispersed pigment may include nanoform; particle size, distribution, shape, aspect ratio and surface treatment not available.

9.2 Other information: No further measured physical hazard or safety characteristics available. Odour threshold, evaporation rate, explosive and oxidising properties: not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity: No hazardous reactivity expected in normal handling based on ingredient information; finished mixture has not been tested.

10.2 Chemical stability: Expected to be stable under recommended storage conditions. Protect against microbial contamination.

10.3 Hazardous reactions: No specific hazardous reactions identified for intended use. Avoid strong oxidising agents.

10.4 Conditions to avoid: Freezing, excessive heat, drying in process equipment and uncontrolled aerosol generation.

10.5 Incompatible materials: Strong oxidising agents. Other formulation compatibilities have not been established.

10.6 Decomposition products: No hazardous decomposition expected during normal storage. Fire/thermal processing can generate irritating decomposition fumes; see Section 5. Laser decomposition products have not been characterised.

SECTION 11: Toxicological information

11.1 Hazard classes under CLP: No finished-mixture toxicological studies available. Based on available ingredient concentrations and classification calculations, criteria for acute toxicity, skin corrosion/irritation, serious eye damage/irritation, germ-cell mutagenicity, carcinogenicity, reproductive toxicity, STOT single exposure, STOT repeated exposure and aspiration hazard are not expected to be met. This does not establish absence of effects. Respiratory sensitisation: no classification indicated by supplied data. Skin sensitisation: below classification limits using confirmed MIT level; supplementary EUH208 warning applies. See Section 16.

Likely exposure routes: skin and eye contact, incidental ingestion and inhalation of mist/process emissions. Possible effects include transient eye/skin discomfort and delayed allergic skin reaction. Product ATE/LD50/LC50 values are not available.

11.2 Other hazards: No endocrine-disrupting component at or above 0.1% identified from the reviewed data. Process-specific inhalation hazards from laser work, spraying and dried coating dust require separate assessment.

SECTION 12: Ecological information

12.1 Toxicity: No finished-mixture ecotoxicity testing available. Calculated ingredient contributions do not indicate an aquatic hazard classification at the stated concentrations. Contains preservatives toxic to aquatic organisms; prevent release.

12.2 Persistence/degradability: Not established for the mixture. Contains trace very persistent siloxanes below mixture classification thresholds.

12.3 Bioaccumulative potential: Not established for the mixture. Trace siloxanes are identified as vPvB in the additive safety data.

12.4 Mobility in soil: Not determined; liquid can spread with water before drying.

12.5 PBT/vPvB assessment: No identified component at or above 0.1% meets PBT/vPvB criteria on available declarations. Each identified vPvB siloxane from the wetting additive is below 0.0025% in the finished product.

12.6 Endocrine-disrupting properties: No such component at or above 0.1% identified in the reviewed information.

12.7 Other adverse effects: No further data. Avoid environmental release and collect washwater.

SECTION 13: Disposal considerations

13.1 Waste treatment: Collect product, contaminated absorbents and washings for disposal by an authorised waste contractor under applicable GB/NI waste legislation. Do not discharge into drains. Assign the waste code and hazardous status from the actual process and contamination; product classification does not determine waste status. Empty containers retain residue; clean or dispose through approved facilities.

SECTION 14: Transport information

ADR/RID, ADN, IMDG and ICAO/IATA: not expected to be regulated as dangerous goods on the declared composition/classification. 14.1 UN number: not applicable. 14.2 Proper shipping name: not applicable. 14.3 Transport class: not applicable. 14.4 Packing group: not applicable. 14.5 Environmental hazards: not classified as a transport environmental hazard/marine pollutant on available information. 14.6 Precautions: secure closed containers upright; protect from damage/freezing. 14.7 Maritime transport in bulk under IMO instruments: not intended; not assessed.

SECTION 15: Regulatory information

15.1 Specific legislation: Great Britain: UK REACH and GB CLP, as amended. Northern Ireland: EU REACH, including Annex II as amended by Regulation (EU) 2020/878, and EU CLP, as amended. Occupational use requires assessment under applicable COSHH legislation. Preservative/treated-article obligations under the applicable GB/EU biocidal framework must be checked for the actual product claims and supply chain. No biocidal efficacy claim is made in this SDS. The applicability of restrictions and any GB/NI divergence must be verified against the actual production grades before issue.

15.2 Chemical safety assessment: No chemical safety assessment for the finished mixture has been supplied.

SECTION 16: Other information

Version / date: 1.0 / 19 October 2026. Initial issue.

Classification method: Calculated from declared ingredient concentrations and available safety data; the finished mixture has not been tested. No product-specific chemical safety assessment has been provided.

Technical basis: MIT and BIT each contribute 10 ppm from the directly added preservative. For white coatings, the manufacturer reports a further MIT contribution below 5 ppm; this is taken to include MIT in the mixed preservative system. The non-sensitising classification depends on total MIT remaining strictly below 15 ppm, including supply and dosing tolerances. The residual-methanol estimate in Section 3 is based on a reference grade and remains subject to confirmation against the production material. pH and density have not been determined.

Relevant hazard statement text (ingredients): H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H310 Fatal in contact with skin. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H331 Toxic if inhaled. H370 Causes damage to organs. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH071 Corrosive to the respiratory tract. EUH441 Strongly accumulates in the environment and living organisms including in humans. These ingredient statements do not apply automatically to the finished coating.

Abbreviations / training: CLP: classification, labelling and packaging. ATE: acute toxicity estimate. STOT: specific target organ toxicity. PBT/vPvB: persistent, bioaccumulative and toxic / very persistent and very bioaccumulative. DNEL/PNEC: derived no-effect level / predicted no-effect concentration. Train users in safe application, hygiene, spill response and exposure control.

This sheet provides safety guidance for the stated formulation, rather than a product specification or warranty. Express Global Products Ltd T/A Craftcoat is responsible for confirming that the declared composition, assumptions and exposure controls apply to the product supplied. Reassess this sheet if composition, raw-material grades, process, intended use or relevant regulatory information changes.